



November 20, 2017

TROY PETERSON
P.O. BOX 406
WAUKON, IOWA 52172

SUBJECT: Animal Feeding Operation (AFO) Compliance Inspection for:
- D&R Johnson, County – Howard, Facility #57716

Dear Mr. Peterson:

Attached is a copy of the report resulting from the Animal Feeding Operation (AFO) facility compliance inspection conducted on November 16, 2017.

Your attention is directed to the requirements and recommendations portion of the report.

If you have any questions, or feel this report does not represent the conditions at your facility, please call me at 563/927-2640.

The cooperation and assistance provided by you during the inspection is appreciated.

Sincerely,

Chris Gelner, Environmental Specialist
christopher.gelner@dnr.iowa.gov
Field Services and Compliance Bureau

c: -Stephen Pollard, U.S. EPA Region 7, WWPD/WENF, 11201 Renner Blvd., Lenexa, KS 66219
-Ken Hessenius, FO#3, AFO Enforcement Coordinator, Spencer, IA

enc: -AFO Facility Inspection Report
-MMP Inspection Form
-Animal Feeding Operation (AFO) Regulatory Status Form
-Aerial Photos of Site

Efile: 45 AFO Riceville 57716 D&R Johnson 111617 Inspection csg

IOWA DEPARTMENT OF NATURAL RESOURCES AFO INSPECTION REPORT

FACILITY DESCRIPTION

FACILITY LOCATION	Facility: D&R Johnson			Facility ID#: 57716	
	Address: 6897 Birch Avenue		City: Riceville	State: IA	Zip: 50466
	PLSS: Section 5, Jamestown Township (T99N, R14W), Howard County				
OWNER	Name: D&R Johnson, LLC				
	Address:		City:	State:	Zip:
ANIMAL HOUSING TYPE	<input checked="" type="checkbox"/> Confinement <input type="checkbox"/> Open Lot <input type="checkbox"/> Combined (Confinement & Open Lot)				
ANIMAL INFORMATION	Animal Type(s)	Capacity	Current Head	Number of Bldgs./Pens	
	Swine – Finish	3,300	3,300	3	
	Cattle – Finish	970	800	2	
	Date of Construction: 1997		Dates of Expansion: 2004, 2005		

INSPECTION INFORMATION

INSPECTION DATE	This Inspection 11/16/2017		Last Inspection: N/A
PERSONS INTERVIEWED	Name: Troy Peterson		Title: Facility Contact
	Name:		Title:
NEAREST WATERCOURSE	Stream Name: Unnamed Tributary to Watson's Creek		
	Description of Flow Path: Northwest about 560 ft to UT Watson's Creek		

COMPLIANCE SUMMARY

OBSERVATIONS	Nutrient Management: <input type="checkbox"/> CNMP <input type="checkbox"/> NMP <input checked="" type="checkbox"/> MMP <input type="checkbox"/> Other <input type="checkbox"/> No formal plan		
	Manure Stockpiling: <input type="checkbox"/> In controlled area <input checked="" type="checkbox"/> In compliance with rules <input type="checkbox"/> Not applicable – direct haul <input type="checkbox"/> Stockpiling in an uncontrolled area	Mortality Management: <input type="checkbox"/> Rendering <input checked="" type="checkbox"/> Composting <input type="checkbox"/> Incineration <input type="checkbox"/> On-site burial <input type="checkbox"/> Landfill	Runoff from Feed Storage: <input type="checkbox"/> No outdoor feed storage area <input checked="" type="checkbox"/> Discharge from feedstock storage area is controlled <input type="checkbox"/> Feed storage is located in an uncontrolled area
	Clean Water Diverted: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Discharge to a Water of the U.S. via Manmade Conveyance: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No	Direct Animal Contact with Waters of the U.S.: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No
	Adjacent Facilities (by same owner/operator): <input type="checkbox"/> Confinement <input type="checkbox"/> Open Lot <input checked="" type="checkbox"/> None		
	Evidence of Discharges: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		
	NPDES PERMIT STATUS		
COMPLIANCE STATUS	The facility, as observed during the inspection, was a Large CAFO and did not need an NPDES permit. NPDES permit is required: <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No This facility appeared to be in compliance with Iowa's environmental regulations at the time of the inspection. Actual conditions may vary over time with the operation and maintenance of the facility. Facility is in compliance: <input checked="" type="checkbox"/> Yes <input type="checkbox"/> No		

AUTHENTICATION	Inspector: <i>Chris Allen</i>	Date: 11/17/17	Reviewer: <i>Bob Gergander</i>	Date: 11/17/17
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IOWA DEPARTMENT OF NATURAL RESOURCES
AFO INSPECTION REPORT

FACILITY EVALUATION

Facility

This facility consists of (3) confinement buildings housing a capacity of 3,300 finish swine, a metal formed manure storage structure, and (2) confinement buildings housing a capacity of 970 head of cattle. Swine manure is stored in above-ground metal storage structure and cattle manure is stacked in concrete stacking facilities. Manure structures were observed during the inspection and no discharge was noted. Mortalities are disposed of by composting. Mr. Troy Peterson, facility contact, was present and interviewed during the inspection.

Manure Management Plan (MMP)

The MMP and manure application records were reviewed during the inspection. The only deficiency is the lack of a Statement of Intent for the field identified at J8-1. Mr. Peterson stated that he had this document on his computer and will add it to the facility records. No other deficiencies were noted.

Feed Storage

During the facility inspection, it was noted that feed for the swine confinements was contained in a bulk bin feed system. The bins, feed tubes and various attachments appeared to be intact and effectively containing feed. I did not observe feed spilled on the ground from feed transfer to the bins. This part of the operation should be inspected frequently as runoff water could carry spilled feed into a water of the state where it could create violations of state water quality standards. Discharge of such pollutants would potentially require a National Pollutant Discharge Elimination System (NPDES) permit.

Feedstuffs for the cattle confinement were stored under cover as well. Commodities were housed in a building east of one of the confinement buildings and silage was stored under plastic to prevent waste from leaving the site and entering a water of the state. Discharge of such pollutants would potentially require a National Pollutant Discharge Elimination System (NPDES) permit.

Dead Animal Composting

Dead animals are disposed of by composting. During the facility inspection the uncovered compost area was observed. The facility consists of a concrete base with concrete walls on three sides. Corn stalks are used as bulking agent. No evidence of compost leachate runoff leaving the compost area or ponding water in the area was observed. As a reminder, livestock mortalities must be incorporated into the composting process within 24 hours after death. The compost must be maintained with an adequate base layer (from 12 to 24 inches thick, depending on the size and number of mortalities), with 6 to 12 inches between carcasses, and an additional 12 inches of cover material around carcasses at all times. Cover should be maintained to control runoff and to prevent access by scavenging animals. This part of the operation should be inspected frequently.

Bio-Security

Prior to the inspection, bio-security was discussed with Mr. Peterson and it was agreed upon that DNR bio-security SOP would be followed. DNR bio-security SOP was followed during the inspection.

REQUIREMENT

- Update MMP to include Statement of Intent for all fields receiving manure not farmed by D&R Johnson.

RECOMMENDATION

- Regularly walk around the facility to monitor for discharges and needed repairs.

SUMMARY

- The facility, as observed, was considered a Large CAFO based on the capacity of animals at the animal feeding operation.
- No discharge was observed during the inspection and no evidence of past discharge was observed.
- No NPDES permit is required at this time.



IOWA DEPARTMENT OF NATURAL RESOURCES ENVIRONMENTAL SERVICES DIVISION



Field Office #1 909 W Main Ste 4 Manchester IA 52057 563-927-2640	Field Office #2 2300 15 th St SW Mason City IA 50401 641-424-4073	Field Office #3 1900 N Grand Ave Spencer IA 51301 712-262-4177	Field Office #4 1401 Sunnyside Ln Atlantic IA 50022 712-243-1934	Field Office #5 7900 Hickman Rd Ste 200 Windsor Heights IA 50324 515-725-0268	Field Office #6 1023 W Madison Washington IA 52353 319-653-2135
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Manure Management Plan Compliance Review – Nonsales of Manure

Site Visit Date Current: 11/16/2017 Last: N/A	Number of Animals: 3,300 swine 970 cattle	Animal Units: 1,320 970	N-based <input checked="" type="checkbox"/> P-based <input type="checkbox"/>	Facility Location County: Howard	Facility ID: 57716
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Facility Tier Status	1 <input checked="" type="checkbox"/> 2 <input type="checkbox"/> 3 <input type="checkbox"/>	Violation(s) Comments
Pre-visit:	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	p. Statement of Intent must be signed and be kept as part of records for all fields receiving manure that D&R Johnson does not farm.
Post-visit:	<input checked="" type="checkbox"/> <input type="checkbox"/> <input type="checkbox"/>	
Clerical Violation(s) <input type="checkbox"/>		
Technical Violation(s) <input type="checkbox"/>		

Facility Name <u>D&R Johnson</u>	Person(s) Contacted <u>Troy Peterson</u>	Phone <u>563/568-7721</u>
Facility Owner Information & Address Unchanged? Yes <input checked="" type="checkbox"/> No <input type="checkbox"/> (Database must be updated)		
Address of Facility: <u>6879 Birch Avenue, Riceville, Iowa 50466</u>		
Do you own or operate any other animal feeding operation within 2,500 feet? <input type="checkbox"/> Yes <input checked="" type="checkbox"/> No		

MMP Contents		<i>Are requirements being met for the following items?</i>		
		Yes	No	N.A.
a.	Calculations to determine land area for application [65.17(4)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
b.	Total nitrogen and phosphorus available, credits, application losses [65.17(5)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
c.	Optimum crop yield, crop usage rate, and soils maps [65.17(6)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
d.	Manure application methods and timing of application [65.17(7)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
e.	Location of manure application and landowner agreements [65.17(8)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
f.	Estimate of annual animal production and amount of manure produced [65.17(9)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
g.	Methods, structures, or practices to reduce soil loss and potential surface water pollution (conservation plans for highly erodible land) [65.17(10)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
h.	Does P Index no. generated correspond with P Index no. in plan? [65.17(17)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
i.	Are proper soil sampling methods being used to calculate P Index? [65.17(16)]	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Records Review		<i>Are requirements being met for the following items?</i>		
		Yes	No	N.A.
j.	Copy of the current MMP [65.17(12)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
k.	Records kept for 5* years (or crop rotation if longer) maintained [65.17(13)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
l.	Methods of application [65.17(13)a)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
m.	Dates when manure was applied [65.17(13)b)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
n.	Location of manure application and number of acres [65.17(13)c)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
o.	Manure application rate [65.17(13)c)?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
p.	Statement of Intent for fields not owned or rented [65.17(13)e]	<input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>

Field Observations of Manure Storage/Handling/Application & Animal Disposal		<i>Are requirements being met for the following items?</i>		
		Yes	No	N.A.
q.	Manure storage structures appear to be properly operated & maintained [65.2&65.15]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
r.	Dead animals disposed of properly [567 IAC 100.4(455B) & Code of Iowa 167.18]? Type: Compost <input checked="" type="checkbox"/> Incinerator <input type="checkbox"/> Burial <input type="checkbox"/> Rendering <input type="checkbox"/>	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Discussion Items:		<i>Were the following items discussed?</i>		
		Yes	No	N.A.
s.	Manure release notification made within 6 hours [65.2(9)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
t.	Deficiencies, violations, and tier status?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
u.	Recommendations, improvements, environmental issues?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
v.	Manure applicator is certified [65.19]? Applicator name/number:	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>
w.	Proper manure application [65.3(2)-(3)]?	<input checked="" type="checkbox"/>	<input type="checkbox"/>	<input type="checkbox"/>

Comments Manure application is conducted during the spring and fall by Confinement Site Applicators Dave Johnson (CMS – 4342) and Russ Johnson (CMS – 4341).

SPECIALIST NAME Chris Gelner *CG* **ON-SITE CONTACT** Troy Peterson **DATE** 11/16/2017



Animal Feeding Operation (AFO) Regulatory Status

Facility Name: D&R Johnson Facility ID: 57716 County: Howard

- ☐ Large CAFO – Discharging – NPDES Permit Required
- ☒ Large CAFO – No discharge – No NPDES Permit Required
- ☐ Large CAFO – Has NPDES Permit
- ☐ Medium CAFO – NPDES Permit Required
- ☐ Medium AFO – No NPDES Required
- ☐ Medium AFO – Has NPDES Permit
- ☐ Designated CAFO – NPDES Permit Required
- ☐ Small AFO – No NPDES Permit Required

This determination was made based on conditions and observations made at the time of the inspection on 11/16/2017. Please note that the regulatory status of the facility can change if conditions at the facility change or are different from those documented during the inspection.

Inspector: Chris [Signature] Date: 11/17/17

Regulatory Definitions of Large CAFOs, Medium CAFOs, and Small CAFOs

These regulatory definitions are from the Code of Federal Regulations (CFR), implementing the federal Clean Water Act.

A **Large CAFO** confines at least the number of animals described in the table below.

A **Medium CAFO** falls within the size range in the table below and either:

- “(A) Pollutants are discharged into waters of the United States through a man-made ditch, flushing system, or other similar man-made device; or
- (B) Pollutants are discharged directly into waters of the United States which originate outside of and pass over, across, or through the facility or otherwise come into direct contact with the animals confined in the operation.” 40 CFR 122.23(b)(6)(ii)

If an operation is found to be a significant contributor of pollutants to waters of the United States, the permitting authority may designate a medium-sized facility as a CAFO as provided in 40 CFR 122.23(c).

A **Small CAFO** confines the number of animals listed in the table and has been designated as a CAFO by the permitting authority after determining that it is a significant contributor of pollutants to waters of the United States as provided in 40 CFR 122.23(c).

Animal Sector	Size Thresholds (number of animals)		
	Large CAFOs	Medium CAFOs	Small CAFOs
cattle or cow/calf pairs	1,000 or more	300 – 999	less than 300
mature dairy cattle	700 or more	200 – 699	less than 200
veal calves	1,000 or more	300 – 999	less than 300
swine (weighing over 55 pounds)	2,500 or more	750 -2,499	less than 750
swine (weighing less than 55 pounds)	10,000 or more	3,000 – 9,999	less than 3,000
horses	500 or more	150 – 499	less than 150
sheep or lambs	10,000 or more	3,000 – 9,999	less than 3,000
turkeys	55,000 or more	16,500 – 54,999	less than 16,500
chickens other than laying hens (other than a liquid manure handling system)	125,000 or more	37,500 – 124,999	less than 37,500
laying hens (other than a liquid manure handling system)	82,000 or more	25,000 – 81,999	less than 25,000

D&R Johnson
6897 Birch Avenue
Riceville, Iowa 50466
Facility ID# 57716

